

WHITE BALANCE MEASURING DEVICE

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Abstract of JP10164624

PROBLEM TO BE SOLVED: To accurately measure white balances by using variable photodiodes.

SOLUTION: Signals from three photodiodes 2R, 2G, and 2B which are provided correspondingly to optical filters 1R, 1G, and 1B for three primary colors are respectively selected in time division by means of analog switches 10R, 10G, and 10B through amplifiers (operational amplifiers 3R, 3G, and 3B) and integration amplifiers (operational amplifiers 7R, 7G, and 7B) and supplied to an A/D conversion circuit 11. A signal from the circuit 11 is supplied to the arithmetic processor 14 of a personal computer 13 through an I/O circuit 12 and x-, y-, and Y-values measured by means of an arbitrary reference measuring instrument 100 are supplied to the processor 14 though, for example, a keyboard device 15. These measured values are arithmetically processed in accordance with a calculating formula stored in, for example, a storing means 16 and the value obtained as a processed result is displayed on a display device 17.

